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PCT

10/531384

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

1 ''	olicant's 2052	_	jent's file reference	FOR FURTHER	ACTION		on of Transmittal of International camination Report (Form PCT/IPEA/416)
ı	International application No. PCT/NO 03/00340			International filing dat 10.10.2003	e (day/mont	h/year)	Priority date (day/month/year) 16.10.2002
1	rnatior 5C3/C		ent Classification (IPC) or t	poth national classification	n and IPC		
	licant RSK	HYD	RO ASA et al.				
1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.						
2.	. This REPORT consists of a total of 4 sheets, including this cover sheet.						
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
	These annexes consist of a total of sheets.						
3.	3. This report contains indications relating to the following items:						
	ı	$\boxtimes$	Basis of the opinion	•			
	11		Priority				
	Ш		Non-establishment of o	opinion with regard to r	novelty, inv	entive step ar	nd industrial applicability
	IV		Lack of unity of inventi-				
	V A Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement				rentive step or industrial applicability;		
	VI						
	VII		Certain defects in the i	• •			
	VIII		Certain observations o	n the international app	lication		
Date	Date of submission of the demand				Date of co	ompletion of this	s report
22.0	22.04.2004			09.07.2	004		
Name	Name and mailing address of the international				Authorize	d Officer	and Pales.
——	preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465			Del Pier	o, G e No. +49 89 23	199-8579	

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NO 03/00340

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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	scription, Pages						
	1-1	7	as originally filed					
	Cls	aims, Numbers						
		•						
	1-1	2	as originally filed					
	Dra	Drawings, Sheets						
	1/4	-4/4	as originally filed					
2.	Wit lan	With regard to the <b>language</b> , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.						
	The	These elements were available or furnished to this Authority in the following language: , which is:						
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).					
		the language of pub	lication of the international application (under Rule 48.3(b)).					
		the language of a translated Rule 55.2 and/or 55.2	anslation furnished for the purposes of international preliminary examination (under .3).					
3.	Witi inte	h regard to any <b>nucle</b> rnational preliminary	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:					
☐ contained in the international application in written form.								
		filed together with th	e international application in computer readable form.					
		☐ furnished subsequently to this Authority in written form.						
		☐ furnished subsequently to this Authority in computer readable form.						
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.					
4.	The	amendments have re	esulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					

#### INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No.

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5. 🗆	This report has been established as if (some of) the amendments had not been made, since they have
	been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
  - 1. Statement

Novelty (N)

No:

No:

Yes: Claims Claims

1-12

1-12

Inventive step (IS)

Yes: Claims

1-12

No: Claims

Industrial applicability (IA)

Yes: Claims

Claims

2. Citations and explanations

see separate sheet

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

International application No.

PCT/NO 03/00340

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The method according to present claim 1, in particular (a) reacting in a combustion chamber with a carbon-rich gas the oxygen-rich gas evolved at the anodes of an Al molten electrowinning cell (b), is neither disclosed in nor fairly suggested by the state of the art on record.

Steps (a) and (b) are separately disclosed in individual prior art citations (WO'208 and WO'709). However, there is no hint in any of these documents pointing to the combination of said steps to arrive at the integrated method of the invention.

The possibility of, inter alia, utilising <u>in situ</u> the oxygen-rich gas from the electrolysis cell thereby avoiding the costs of compressing/liquefying (and shipping) the produced oxygen justifies the acknowledgment of an inventive step to the present method.